

Amendments to the Specification

Please replace the paragraph beginning at page 54, line 22, with the following replacement paragraph:

Referring now to FIG. 5B, non-irradiated portions (e.g., ~~340~~440) of film 400 adequately and effectively insulate irradiated portions 410, 420 and 430 (which have essentially the same pattern as the serpentine resistors and connected pads of FIG. 3). By changing the width of the resistor in the corresponding mask, one may effectively create a “mask programmable” resistor that can be used for a number of different applications, including signal processing or transmission speed, voltage control, even programmable memory (e.g., a memory cell in which a “programmable resistor” element is present or absent, to generate one or two possible memory states).

Amendments to the Figures

The Figures are being amended to correct inadvertent clerical oversights therein.

Figure 1B has been amended by adding the number “24” and a bracket (“}”) to the upper right-hand corner of the drawing, to designate a ligand having a long-chain alkyl group 26 (bound to passivation alkyl groups 22 by van der Waals bonds) and a (photo)reactive group 28 (covalently bound to alkyl group 26). This amendment is supported by the specification at page 14, lines 19-22.

Figure 3 has been amended by adding the numbers “262a” and “262f” to the upper left-hand corner of the drawing, to designate a succession of closer-spaced metal lines in pattern 260. This amendment is supported by the specification at page 54, lines 8-9.

Figure 4 has been amended by adding a prime designation (“ ’ ”) to the identification numbers therein, for consistency with the corresponding numbers in the specification. This amendment is supported by the specification at page 54, lines 11-13.

Replacement Sheets (as required by 37 C.F.R. 1.121(d)) are attached to this Amendment.